

Amendment to the Claims:

The claim listing which begins on the next page will replace all prior versions, and listings, of claims in the application.

Claim Listing

1. (Original) A flow-controlled wind motor rotor (1) comprising one or more blades (3), said blades rotating around a central vertical axis (4) in a main bearing (5), said blades being parallel to the vertical axis (4), said blades being connected via crossbars (6), said blades being disposed freely rotatably in bearings (7), said blades (3) comprising a symmetrical aerodynamic profile (8) over their entire cross-section, said blades being orientable to the direction of the wind (10), and said rotor comprising a wind vane (9) to capture the direction of the wind

characterized in that

said rotor comprises a primary control mechanism (11), which is controlled by said wind vane (9) and aligns said profiles (8) of said blade(s) (3) along the wind direction (10) at each point of their trajectory (13) around the central vertical axis (4), said blades being disposed on said crossbars (6),

said rotor comprises a secondary control mechanism (12), which aligns the longitudinal axes of said profiles (8) of said blade(s) (3) to the wind (10) at each point of their trajectory (13) around the central vertical axis (4) so as to produce an optimum aerodynamic force depending on the rotation angle of the crossbars (6) with respect to the wind vane (9) and the rotation velocity of the crossbars (6), and

said secondary control mechanism (12) is subordinate to the first control mechanism (11).
2. (Original) The wind rotor of claim 1, characterized in that the control mechanisms (11, 12) are mechanically, electromechanically, hydraulically or pneumatically controllable.
3. (Original) The wind rotor of claim 1, characterized in that the primary control mechanism (11) comprises a V-belt drive, and the secondary control mechanism (12) comprises a stepping engine (15) with a worm gear.
4. (Currently amended) The wind rotor of claim 1, characterized in that said wind vane (9) is disposed concentrically and rotatably in the main bearing (5) on the central vertical

axis (4).

5. (Currently amended) The wind rotor of claim 1, characterized in that it comprises an electronic wind gauge as an alternative to said wind vane (9).
6. (Original) The wind rotor of claim 1, characterized in that said blades (3) are positioned in said bearings (7) on said crossbars (6) with an upward and/or a downward bias.
7. (Original) The wind rotor of claim 1, characterized in that said blades (3) are held by said crossbars (6), which crossbars are placed around said central vertical axis (4) at several levels disposed over one another.
8. (New) The wind rotor of claim 2, characterized in that said wind vane (9) is disposed concentrically and rotatably in the main bearing (5) on the central vertical axis (4).
9. (New) The wind rotor of claim 2, characterized in that it comprises an electronic wind gauge as an alternative to said wind vane (9).
10. (New) A wind rotor (1) comprising one or more blade(s) (3) having a first axis of rotation (4) and a second axis of rotation; and a wind vane (9);
wherein
said blade(s) (3) are revolvable around said first axis of rotation on a trajectory (13);
said blade(s) (3) are rotatable around said second axis of rotation; and
when revolving around said first axis of rotation, said blade(s) (3) are oriented substantially in parallel to said wind vane (9) plus or minus a pitch angle, the amount of said pitch angle varying along said trajectory (13).